

GENERAL  
THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING SIGNAL AT THE INTERSECTION OF MD 924 AND WOODSDALE ROAD DURING THE MAINTENANCE OF TRAFFIC FOR MOT STAGES 2-4. THIS STAGE OF MOT INVOLVES THE INSTALLATION OF ULTIMATE FAST ARM TRAFFIC SIGNALS WIRED TO THE PROPOSED CONTROLLER AT THE ULTIMATE LOCATION OF THE INTERSECTION IN HARFORD COUNTY.

INTERSECTION OPERATION

THE EXISTING POLE MOUNTED CABINET WILL BE REMOVED AND A NEW BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A SEMI-ACTUATED MODE USING 6 NEMA PHASES. VIDEO DETECTION SHALL BE PLACED INTO OPERATION. PRIOR TO COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7631. TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND TELEPHONE NUMBERS.

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:  
MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER-TRAFFIC  
PHONE: (410) 321-2781  
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761  
MR. MICHAEL PASQUARIELLO, UTILITY ENGINEER  
PHONE: (410) 321-2784  
MR. RICHARD L. DUFF, SR., CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630  
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS CHIEF  
PHONE: (410) 787-7650  
MR. EUGENE BAILEY, SIGN OPERATIONS MANAGER  
PHONE: (410) 787-7676

MS. ROXANE MUKAI, TRAFFIC MANAGER  
MARYLAND TRANSPORTATION AUTHORITY  
PHONE: (410) 537-7848

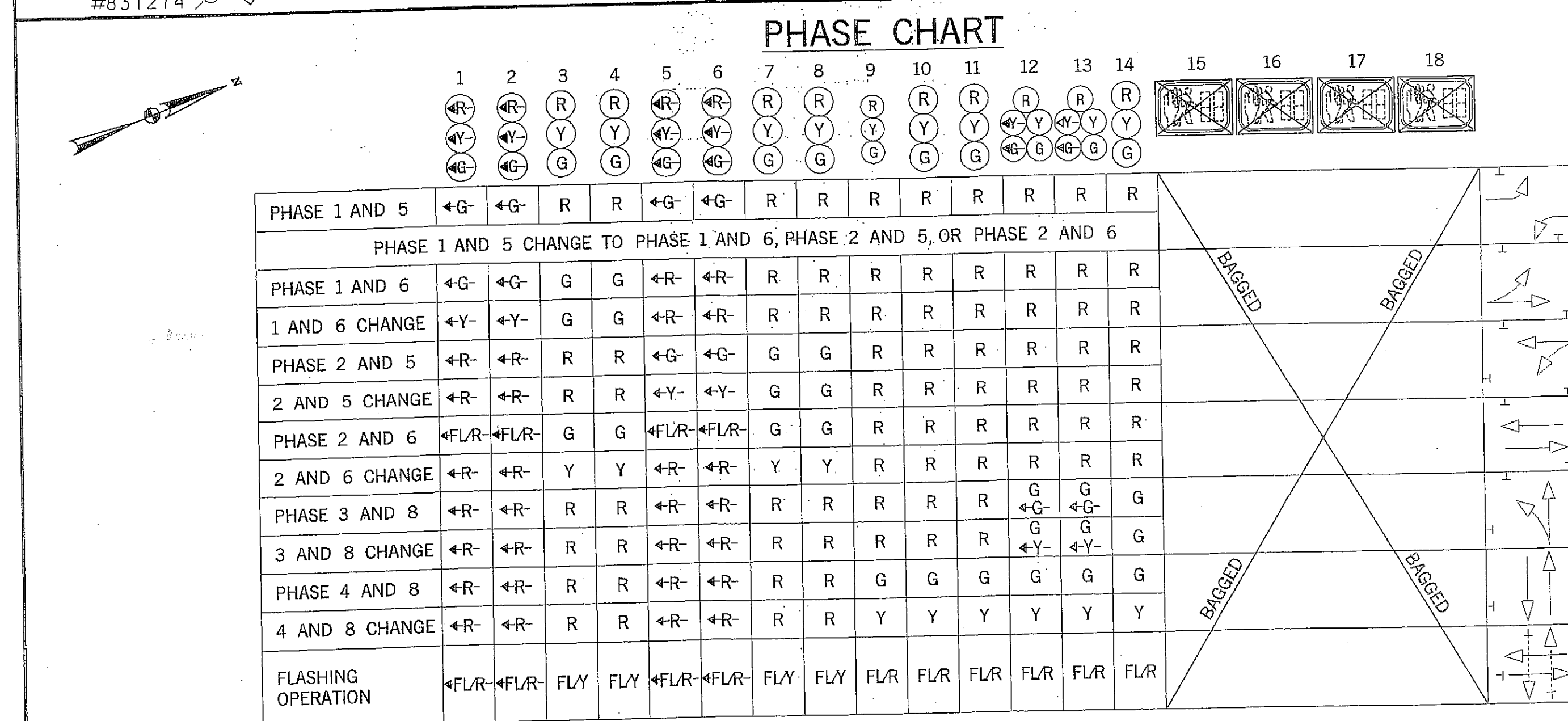
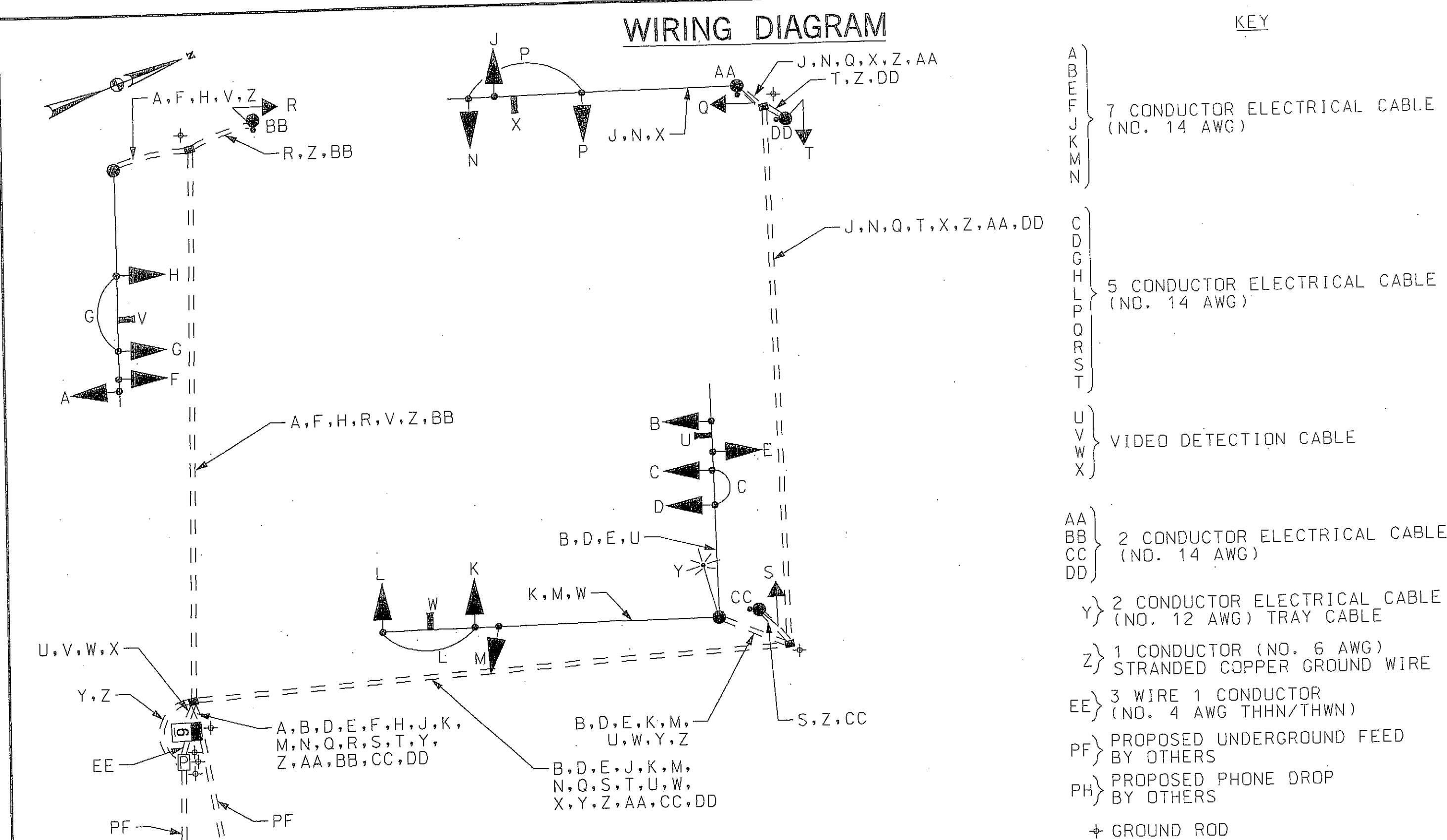
EQUIPMENT LIST	
A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.	
CATEGORY	DESCRIPTION

A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.				UNITS	QUANTITY
CATEGORY	DESCRIPTION				
CODE NO.					
900000	BASE MOUNTED (SIZE 6) CABINET WITH LOCAL CONTROLLER (MSHA SPECIFICATION)			EA	1
	WITH VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-4 CAMERAS			SF	137
973023	SHEET ALUMINUM SIGNS				
	R3-5(L) (30"x36") MAST ARM MOUNT	EA	2		
	R3-5(R) (30"x36") MAST ARM MOUNT	EA	2		
	D-3(1) (VAR.X16") MAST ARM MOUNT, DUAL FACE	EA	2		
	D-3(2) (VAR.X16") MAST ARM MOUNT, DUAL FACE	EA	2		
	SHIELD ASSEMBLY (48"x75") POLE MOUNT	EA	1		
	SHIELD ASSEMBLY (30"x51") POLE MOUNT	EA	1		
	W9-2(4) (30"x42") MAST ARM MOUNT	EA	1		
	R10-3(1) (9"x15") POLE MOUNT SIGN TO READ	EA	2		
	"PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE"				
	R10-3(1) (9"x15") POLE MOUNT SIGN TO READ	EA	2		
	"PUSH BUTTON TO CROSS EMMORTON ROAD"				
	R10-12(4) (36"x42") MAST ARM MOUNT	EA	2		

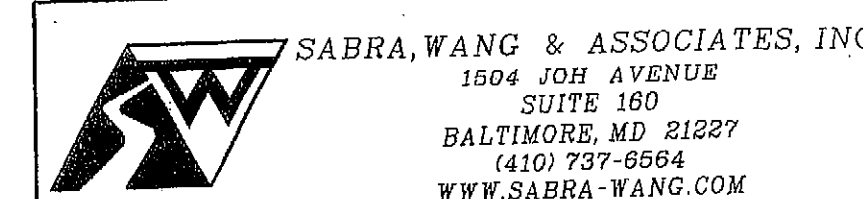
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.	DESCRIPTION	UNITS	QUANTITY
CATEGORY CODE NO.			
114245	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS	LF	35
203030	TEST PIT EXCAVATION	CY	4
800000	AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION	EA	4
800000	AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT	EA	1
800000	CONTROL CABLE 300 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	3
800000	CONTROL CABLE 400 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
800000	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT	LS	1
800000	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION POLE MOUNT	EA	4
800000	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	3
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	19
801607	INSTALL SHEET ALUMINUM SIGN	SF	39
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	500
805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	420
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	70
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	50
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	130
807202	METERED SERVICE PEDESTAL	EA	1
811001	ELECTRICAL HANDHOLE	EA	4
813015	INSTALL OVERHEAD SIGN	SF	98
816001	VIDEO DETECTION CAMERA	EA	4
818004	10 FOOT BREAKAWAY PEDESTAL POLE	EA	3
818036	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM	EA	1
818041	STEEL POLE WITH A SINGLE 60 FOOT MAST ARM	EA	1
818051	STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS	EA	1
821003	BREAKAWAY BASE SUPPORT SYSTEM FOR SIGNAL STRUCTURE	EA	3
831010	250 WATT HPS LAMP AND LUMINAIRE	EA	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	8
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	43
860292	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	1
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	980
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	1520
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	2260
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	220
861117	ELECTRICAL CABLE - 3 WIRE (NO. 4 AWG)	LF	20
866101	10 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	1
871202	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1

C.EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLY DRIVE, HANOVER, MARYLAND 21076. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	CONTROLLER AND ITS ASSOCIATED AUXILIARY EQUIPMENT	EA	1




NOTE: THE CONTRACTOR SHALL DELIVER AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION AND BASE UNIT TO THE SHA SIGNAL SHOP PRIOR TO LOCATION INSTALLATION FOR PROGRAMMING. SHA FORCES SHALL INSTALL AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON CENTRAL CONTROL UNIT IN THE CABINET.



# SWA

**A** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 924 AT WOODSDALE ROAD  
IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE  
ABINGDON, MARYLAND

REVISIONS  REPLACE SHEET		GENERAL INFORMATION SHEET			
APR. 07		SCALE <u>N.T.S.</u>	DATE <u>APRIL 2007</u>	CONTRACT NO. <u>KH-271-000-002(R)</u>	
DESIGNED BY <u>A.M./S.D./A.G.</u>		COUNTY <u>HARFORD</u>			
DRAWN BY <u>M. RAFFLE</u>		LOGMILE _____			
CHECKED BY <u>K. RINKER</u>		TMS NO. <u>H 810</u>			
FAP NO. <u>NONE</u>		TOD NO. _____			
TS. NO. 2241D		DRAWING <b>PSG</b> OF <b>N004</b>	SHEET NO. 449 OF 597		

PLOTTED: Wednesday, April 11, 2007 AT 02:26 PM  
 2007 Signal - KCH Task 01 MD24 L-25(Dwn) Signals Addendum No. 1\p8G-N004 MD24.dg